Table 6.1–1. Equipment and supplies used for measuring temperature[1]

[°C, degrees Celsius; L, liter; µS/cm, microsiemens per centimeter at 25°C]

✓	Calibration thermometer, liquid-in-glass or electronic-thermistor thermometer, either National Institute of Standards and Technology (NIST) certified or manufacturer-certified as NIST traceable. Must carry certificate of NIST traceability; its use not allowed after expiration of certification. Temperature range at least –5 to +45°C 0.1°C graduations (liquid-in-glass) or less
✓	Thermometer, liquid-in-glass sensor, non-mercury for field use Temperature range –5 to +45°C Minimum 0.5°C graduated Calibrated accuracy within 1 percent of full scale or 0.5°C, whichever is less Calibrated and District certified against a properly certified calibration thermometer (see above)
✓	Thermistor Thermometer Calibrated accuracy with 0.1°C to 0.2°C Digital readout to at least 0.1°C Calibrated and District certified against calibration (NIST) thermometer
✓	Dewar flask and (or) plastic beakers (assorted sizes)
✓	Water bath, refrigerated
✓	Soap solution (1 L), nonphosphate laboratory detergent
✓	Deionized water (1 L), maximum conductivity of 1 µS/cm
✓	Flowthrough chamber (for ground-water applications as an alternative to instruments with downhole capabilities)
✓	Paper tissues, disposable, soft, and lint free
✓	Log book, for recording all calibrations, maintenance, and repairs

[1]Modify this list to meet specific needs of the field effort.